

Setting Up the MAR Library

Note: These instructions are written from the perspective of setting up the library on Ubuntu. The steps should be translatable to other distributions of Linux.

Install VLFeat Library

1. Go to <http://www.vlfeat.org/download.html>
2. Download the latest binary package (as of writing, 0.9.9)
3. Go into the vlfeat-VERSION_NUMBER directory
4. As a superuser, `cp bin/ARCHITECTURE/libvl.so /usr/lib`
5. As a superuser, `cp vl/*.h /usr/include`

Install Boost Library

1. On Ubuntu, `sudo apt-get install libboost-all-dev`

Install LAPACK Library

1. On Ubuntu, `sudo apt-get install liblapack-dev`

Install BLAS Library

1. On Ubuntu, `sudo apt-get install libblas-dev`

Install ATLAS Library

1. On Ubuntu, `sudo apt-get install libatlas-dev`

Install Armadillo Library

WARNING: As of writing, apt-get does not get the correct version of the Armadillo Library

1. Go to <http://arma.sourceforge.net/download.html>
2. Download the latest version (as of writing, 1.2.0)
3. Follow the README instruction

Install Config Library

WARNING: As of writing, apt-get does not get the correct version of the Config Library

1. Go to <http://www.hyperrealm.com/libconfig/>
2. Download the latest version (as of writing, 1.4.7)
3. Follow the INSTALL instruction

Install MAR Library

1. Go to the mar folder
2. As a superuser, `make install`

Test the Installation

1. Go to the mar folder
2. Use the command `make test`